

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-1. TMDL Summary for Trewellyn Creek (Segment 971217-1145-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	1.922	0.049	0.162	0.029										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Background	0.30	1.19	0.03	0.10	0.02	1.922	0.049	0.162	0.029	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations						1.922	0.049	0.162	0.029					

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-2. TMDL Summary for Pine Run (Segment 971215-1300-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	1.181	0.040	0.986	0.100										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segmen	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Background	0.18	1.20	0.04	1.00	0.10	1.1813	0.0398	0.9855	0.0995	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations						1.181	0.040	0.986	0.100					

		CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-3. TMDL Summary for Pine Run (Segment 971215-1303-ACE)								
TMDL =		117.921	20.611	336.649	13.366	Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L								
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
											CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Upper Dublin Township	PA0029441	1.70	12.77	2.25	36.71	1.45	116.740	20.572	335.664	13.266	14.9%	10.0%	-90.0%	36.9%
Total Waste Load Allocations							116.740	20.572	335.664	13.266				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
										CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Pine Run (971215-1300-ACE)	0.18	1.20	0.04	1.00	0.10	1.181	0.040	0.986	0.100	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							1.181	0.040	0.986	0.100				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

		CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-4. TMDL Summary for Sandy Run (Segment 971215-1133-ACE)								
TMDL =		355.419	42.951	1323.189	73.638	Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L								
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
											CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Abington Township	PA0026867	6.05	7.50	0.72	30.27	1.85	243.979	23.433	984.961	60.291	25.0%	64.0%	0.0%	60.0%
Valley Green Corporate Center	PA0053074	0.013	10.04	1.97	18.78	3.13	0.705	0.139	1.320	0.220	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							244.684	23.571	986.281	60.511				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
										CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Background	0.11	2.94	0.07	1.98	0.20	1.675	0.040	1.130	0.113	0.0%	0.0%	0.0%	0.0%	
Pine Run (971215-1303-ACE)	1.87	10.83	1.92	33.33	1.29	109.059	19.340	335.779	13.014	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							110.735	19.379	336.908	13.127				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-5. TMDL Summary for Lorraine Run (Segment 971215-1000-ACE)									
TMDL =	123.850	1.366	134.532	1.955	Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Sayers, David & Marie	PA0057631	0.0008	9.99	2.24	4.98	0.52	0.042	0.010	0.021	0.002	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Murray SRSTP	PA0053210	0.0008	9.90	0.52	0.99	0.52	0.042	0.002	0.004	0.002	0.0%	0.0%	0.0%	0.0%
Harris, Albert & Cynthia	PA0051012	0.0006	10.04	2.98	8.00	0.53	0.034	0.010	0.027	0.002	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							0.118	0.022	0.052	0.006				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Coorson's Quarry	12.50	1.84	0.02	2.00	0.03	123.732	1.344	134.480	1.949	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Total Load Allocations						123.732	1.344	134.480	1.949					

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-7. TMDL Summary for Wissahickon Creek (Segment 971222-1130-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	222.733	33.223	1050.113	95.465										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971218-1345-ACE)	10.19	4.04	0.61	19.15	1.74	221.275	33.174	1049.951	95.449	0.0%	0.0%	0.0%	0.0%	
Trewellyn Creek (971217-1145-ACE)	0.30	0.90	0.03	0.10	0.01	1.458	0.049	0.162	0.016	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations						222.733	33.223	1050.113	95.465					

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-6. TMDL Summary for Wissahickon Creek (Segment 971218-1345-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	259.516	38.524	1058.409	97.439										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
North Wales Boro	PA0022586	1.29	3.00	0.50	15.16	1.41	20.828	3.470	105.160	9.771	70.0%	80.0%	0.0%	70.0%
Upper Gwynedd Townshi	PA0023256	8.82	5.00	0.74	20.08	1.82	237.196	35.010	952.755	86.408	50.0%	59.0%	-38.0%	49.0%
Bruce K. Entwisle	PA0057576	0.001	9.92	2.97	1.00	0.49	0.059	0.018	0.006	0.003	0.0%	0.0%	0.0%	0.0%
Merck & Company, Inc.	PA0053538	0.03	5.01	0.10	0.20	0.27	0.763	0.015	0.031	0.042	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							258.846	38.513	1057.952	96.224				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Background assumed as release from Merck & Company, Inc. and received a WLA	0.10	1.26	0.02	0.86	2.28	0.670	0.011	0.457	1.215	0.0	0.0	0.0	0.0	
Total Load Allocations						0.670	0.011	0.457	1.215					

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-8. TMDL Summary for Wissahickon Creek (Segment 971209-1430-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	832.692	101.270	4065.812	402.456										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
None														
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
										CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Wissahickon Creek (971209-0930-ACE)	41.61	3.67	0.45	18.16	1.80	821.472	100.613	4065.208	402.160	0.0%	0.0%	0.0%	0.0%	
Background	1.70	1.23	0.07	0.07	0.03	11.220	0.657	0.604	0.296	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							832.692	101.270	4065.812	402.456				

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-9. TMDL Summary for Wissahickon Creek (Segment 971209-0930-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	1059.738	131.667	4121.397	413.660										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Ambler Borough Water Department	PA0052515	0.027	5.30	0.11	0.21	0.28	0.763	0.015	0.031	0.040	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
PA Historical & Museum Commission	PA0055387	0.002	24.98	20.00	30.13	0.52	0.212	0.169	0.255	0.004	0.0%	0.0%	0.0%	0.0%
Fishbone, David	PA0054577	0.001	9.99	2.97	5.94	0.37	0.059	0.018	0.035	0.002	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							1.034	0.202	0.321	0.046				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971222-0930-ACE)	20.53	6.02	0.87	24.27	3.10	664.184	96.606	2679.987	342.270	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Sandy Run (971215-1133-ACE)	8.00	6.49	0.78	30.38	1.63	279.099	33.493	1306.670	70.028	0.0%	0.0%	0.0%	0.0%	
Lorraine Run (971215-1000-ACE)	12.51	1.72	0.02	2.00	0.02	115.422	1.366	134.419	1.315	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							1058.705	131.464	4121.076	413.614				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-10. TMDL Summary for Wissahickon Creek (Segment 971222-0930-ACE) Trout Stocking DO Criteria; Major Discharge DO = 7.0 mg/L									
TMDL =	702.766	101.491	2691.394	344.789										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Ambler Boro	PA0026603	10.10	10.00	1.50	30.52	4.68	543.402	81.466	1657.755	254.221	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Total Waste Load Allocations							543.402	81.466	1657.755	254.221				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971222-1130-ACE)	10.45	2.84	0.36	18.39	1.61	159.364	20.025	1033.639	90.568	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Total Load Allocations							159.364	20.025	1033.639	90.568				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-11. TMDL Summary for Trewellyn Creek (Segment 971217-1145-ACE) Warm Water Fish; Major Discharge DO = 7.0 mg/L									
TMDL =	1.922	0.049	0.162	0.029										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Background		0.30	1.19	0.03	0.10	0.02	1.922	0.049	0.162	0.029	0.0%	0.0%	0.0%	0.0%
Total Load Allocations							1.922	0.049	0.162	0.029				

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-12. TMDL Summary for Pine Run (Segment 971215-1300-ACE) Warm Water Fish; Major Discharge DO = 7.0 mg/L									
TMDL =	1.181	0.040	0.986	0.100										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segmen		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Background		0.18	1.20	0.04	1.00	0.10	1.181	0.040	0.986	0.100	0.0%	0.0%	0.0%	0.0%
Total Load Allocations							1.181	0.040	0.986	0.100				

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-13. TMDL Summary for Pine Run (Segment 971215-1303-ACE)									
TMDL =	138.501	22.907	301.293	21.161	Warm Water Fish; Major Discharge DO = 7.0 mg/L									
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Upper Dublin Township	PA0029441	1.70	15.00	2.50	32.85	2.30	137.319	22.868	300.307	21.062	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Total Waste Load Allocations							137.319	22.868	300.307	21.062	0.0%	0.0%	-70.0%	0.0%
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Pine Run (971215-1300-ACE)	0.18	1.20	0.04	1.00	0.10	1.181	0.040	0.986	0.100	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Total Load Allocations							1.181	0.040	0.986	0.100	0.0%	0.0%	0.0%	0.0%

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-14. TMDL Summary for Sandy Run (Segment 971215-1133-ACE)									
TMDL =	456.179	86.835	1288.134	171.741	Warm Water Fish; Major Discharge DO = 7.0 mg/L									
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Abington Township	PA0026867	6.05	10.00	2.00	30.27	4.63	325.439	65.097	984.961	150.715	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Valley Green Corporate Center	PA0053074	0.013	10.04	1.97	18.78	3.13	0.705	0.139	1.320	0.220	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							326.145	65.235	986.281	150.935	0.0%	0.0%	0.0%	0.0%
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Background	0.11	2.94	0.07	1.98	0.20	1.675	0.040	1.130	0.113	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Pine Run (971215-1303-ACE)	1.87	12.74	2.14	29.85	2.05	128.358	21.560	300.724	20.692	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							130.034	21.600	301.853	20.805	0.0%	0.0%	0.0%	0.0%

		CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-15. TMDL Summary for Lorraine Run (Segment 971215-1000-ACE)								
TMDL =		123.850	1.366	134.532	1.955	Warm Water Fish; Major Discharge DO = 7.0 mg/L								
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
											CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Sayers, David & Marie	PA0057631	0.0008	9.99	2.24	4.98	0.52	0.042	0.010	0.021	0.002	0.0%	0.0%	0.0%	0.0%
Murray SRSTP	PA0053210	0.0008	9.90	0.52	0.99	0.52	0.042	0.002	0.004	0.002	0.0%	0.0%	0.0%	0.0%
Harris, Albert & Cynthia	PA0051012	0.0006	10.04	2.98	8.00	0.53	0.034	0.010	0.027	0.002	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							0.118	0.022	0.052	0.006				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
										CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Coorson's Quarry	12.50	1.84	0.02	2.00	0.03	123.732	1.344	134.480	1.949	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							123.732	1.344	134.480	1.949				

		CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-16. TMDL Summary for Wissahickon Creek (Segment 971218-1345-ACE)								
TMDL =		445.052	86.405	1051.573	170.411	Warm Water Fish; Major Discharge DO = 7.0 mg/L								
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
											CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
North Wales Boro	PA0022586	1.29	5.90	1.37	21.22	2.40	40.940	9.540	147.201	16.619	41.0%	45.0%	-40.0%	49.0%
Upper Gwynedd Townshi	PA0023256	8.82	8.50	1.62	19.05	3.22	403.383	76.837	903.908	152.574	15.0%	10.0%	-30.9%	9.9%
Bruce K. Entwisle	PA0057576	0.001	9.92	2.97	1.00	0.49	0.059	0.018	0.006	0.003	0.0%	0.0%	0.0%	0.0%
Merck & Company, Inc.	PA0053538	0.10	1.26	0.02	0.86	2.28	0.670	0.011	0.457	1.215	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							445.052	86.405	1051.573	170.411				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
										CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Background assumed as release from Merck & Company, Inc. and received a WLA														
Total Load Allocations							0.000	0.000	0.000	0.000				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-17. TMDL Summary for Wissahickon Creek (Segment 971222-1130-ACE) Warm Water Fish; Major Discharge DO = 7.0 mg/L									
TMDL =	383.300	77.696	1045.820	167.137										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971218-1345-ACE)	10.19	6.97	1.42	19.07	3.05	381.841	77.647	1045.658	167.121	0.0%	0.0%	0.0%	0.0%	
Trewellyn Creek (971217-1145-ACE)	0.30	0.90	0.03	0.10	0.01	1.458	0.049	0.162	0.016	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							383.300	77.696	1045.820	167.137				

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-18. TMDL Summary for Wissahickon Creek (Segment 971209-1430-ACE) Warm Water Fish; Major Discharge DO = 7.0 mg/L									
TMDL =	973.035	167.356	4031.623	559.839										
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
None											CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P
Total Waste Load Allocations							0.000	0.000	0.000	0.000				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971209-0930-ACE)	41.61	4.30	0.74	18.01	2.50	961.815	166.699	4031.019	559.543	0.0%	0.0%	0.0%	0.0%	
Background	1.70	1.23	0.07	0.07	0.03	11.220	0.657	0.604	0.296	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							973.035	167.356	4031.623	559.839				

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-19. TMDL Summary for Wissahickon Creek (Segment 971209-0930-ACE)									
TMDL =	1241.005	206.392	4080.346	575.398	Warm Water Fish; Major Discharge DO = 7.0 mg/L									
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Ambler Borough Water Department	PA0052515	0.027	5.30	0.11	0.21	0.28	0.763	0.015	0.031	0.040	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
PA Historical & Museum Commission	PA0055387	0.002	24.98	20.00	30.13	0.52	0.212	0.169	0.255	0.004	0.0%	0.0%	0.0%	0.0%
Fishbone, David	PA0054577	0.001	9.99	2.97	5.94	0.37	0.059	0.018	0.035	0.002	0.0%	0.0%	0.0%	0.0%
Total Waste Load Allocations							1.034	0.202	0.321	0.046				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971222-0930-ACE)	20.53	6.94	1.20	24.18	3.71	766.495	132.607	2670.026	409.898	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Sandy Run (971215-1133-ACE)	8.00	8.32	1.68	29.65	3.82	358.055	72.217	1275.580	164.139	0.0%	0.0%	0.0%	0.0%	
Lorraine Run (971215-1000-ACE)	12.51	1.72	0.02	2.00	0.02	115.422	1.366	134.419	1.315	0.0%	0.0%	0.0%	0.0%	
Total Load Allocations							1239.972	206.190	4080.025	575.352				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	Table F-20. TMDL Summary for Wissahickon Creek (Segment 971222-0930-ACE)									
TMDL =	822.163	140.176	2679.794	413.656	Warm Water Fish; Major Discharge DO = 7.0 mg/L									
Waste Load Allocations														
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction			
Ambler Boro	PA0026603	10.10	10.00	1.50	30.31	4.68	543.402	81.466	1646.820	254.221	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	Ortho PO4-P ^B
Total Waste Load Allocations							543.402	81.466	1646.820	254.221				
Load Allocations														
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4-P (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4-P (lbs/day)	TMDL Percent Reduction				
Wissahickon Creek (971222-1130-ACE)	10.45	4.96	1.04	18.38	2.84	278.761	58.710	1032.974	159.435	CBOD5	NH3-N	NO3+NO2-N	Ortho PO4-P	
Total Load Allocations							278.761	58.710	1032.974	159.435				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring